CLAIMS

1. In a computer system, a method comprising:

detecting user input;

analyzing the user input;

predicting desired access to one or more media files based on the analysis;

retrieving information corresponding to one or more media files from a media content source; and

presenting the information to a user for suggested access.

2. A method as recited in claim 1, wherein the user input is text.

3. A method as recited in claim 1, wherein the user input is text in a word processor document or in an e-mail.

4. A method as recited in claim 1, wherein the information further comprises suggested media content items, the method further comprising:

detecting user interest in an item of the suggested media items; and

responsive to detecting the user interest, displaying a high-level feature corresponding to the item, the high-level feature being stored in a database.

5. A method as recited in claim 1, wherein analyzing the user input further comprises determining one or more keywords from the text, and wherein the one or more media files correspond to the one or more keywords.

6. A method as recited in claim 1, wherein analyzing the user input further comprises evaluating the user input based on lexical features.

7. A method as recited in claim 1, wherein analyzing the user input further comprises evaluating the user input based on syntactical features.

8. A method as recited in claim 1, wherein analyzing the user input further comprises evaluating the user input based on at least a partially instantiated sentence pattern.

9. A method as recited in claim 1, wherein the method further comprises identifying media content use patterns, and wherein analyzing the user input further comprises evaluating the user input based on the media content use patterns.

10. In a computer system, a method comprising:

detecting user access of a media content source;

responsive to detecting the user access:

collecting a piece of media content and associated text from the media content source;

extracting semantic text features from the associated text and the piece of media content; and

indexing the semantic text features into a media database.

11. A method as recited in claim 10, wherein the media database is a personalized media database.

12. A method as recited in claim 10, further comprising indexing the piece of media content in the media database or separate from the media database.

13. A method as recited in claim 10, wherein the media content source comprises an e-mail message, wherein the media content is an attached to the e-mail message or a link to the media content, and wherein the associated text is a body of the e-mail message.

14. A method as recited in claim 10, wherein the media content source comprises a word processing document, wherein the media content is inserted media content, and wherein the associated text is document text.

15. A method as recited in claim 10, wherein the media content source comprises a Web page.

16. A method as recited in claim 10, wherein at least a portion of the semantic text features in the media database include an indication of relevancy with respect to individual ones of the media content, and wherein the method further comprises:

monitoring user actions;

identifying patterns of media content use from the user actions; and

for each semantic text feature in the at least a portion, modifying its indication of relevancy to individual ones of the media content based on the patterns of media content use.

17. A method as recited in claim 10, further comprising:

detecting user input;

performing an analysis of the user input to determine that the user desires to access media content;

responsive to performing the analysis:

generating search criteria based on linguistic features of the user input;

identifying, based at least in part on the search criteria, one or more media files that are semantically related to the user input from the media database; and

presenting information corresponding to the one or more media files to the user.

18. A method as recited in claim 17, wherein the linguistic features are lexical, syntactical, and/or partial sentence pattern features.

19. A method as recited in claim 17, wherein the analysis is based at least in part on patterns of previous media content use, the patterns corresponding to the user.

20. In a computer system, a method comprising:

monitoring a plurality of user actions;

determining media content use preferences based on the user actions;

collecting media content and associated text from a media content source;

extracting semantic text features from the media content and the associated text;

determining that the media content is of interest to the user based at least in part on semantic similarity between the media content use preferences and the semantic text features; and

responsive to determining that the media content is of interest to the user, indexing the semantic text features into a media database.

21. A method as recited in claim 19, wherein the media content use preferences are further based on keywords extracted from information corresponding to the user actions.

22. A method as recited in claim 19, wherein the media content use preferences comprise a plurality of user preference models, each user preference model comprising semantically similar keywords that correspond to the user actions, and wherein media content is determined to be of interest to the user if there is semantic similarity between the media content and at least one of the user preference models.

23. A method as recited in claim 19, further comprising:

detecting that the computer system is in an idle state; and

wherein the acts of collecting, extracting and determining are performed responsive to detecting the idle state.

24. A computer-readable medium comprising computer-executable instructions for:

detecting user input;

responsive to detecting the user input:

analyzing the user input;

predicting desired access to one or more media files based on the analysis;

retrieving information corresponding to one or more media files from a media content source; and

presenting the information as a suggestion.

25. A computer-readable medium as recited in claim 24, wherein the user input is text.

26. A computer-readable medium as recited in claim 24, wherein the user input corresponds to an e-mail message or a word processing document.

27. A computer-readable medium as recited in claim 24, wherein the information further comprises suggested media content items, and wherein the computer-executable instructions further comprise instructions for:

detecting user interest in an item of the suggested media items; and

responsive to detecting the user interest, displaying a high-level feature corresponding to the item, the high-level feature being stored in a database.

28. A computer-readable medium as recited in claim 24, wherein the instructions for analyzing the user input further comprise determining one or more keywords from the user input, and wherein the one or more media files correspond to the one or more keywords.

29. A computer-readable medium as recited in claim 24, wherein the instructions for analyzing the user input further comprise evaluating the user input based on lexical features.

30. A computer-readable medium as recited in claim 24, wherein the instructions for analyzing the user input further comprise evaluating the user input based on syntactical features.

31. A computer-readable medium as recited in claim 24, wherein the instructions for analyzing the user input further comprise evaluating the user input based on at least a partially instantiated sentence pattern.

32. A computer-readable medium as recited in claim 24, wherein the computer-executable instructions further comprise instruction for identifying media content use patterns, and wherein analyzing the user input further comprises evaluating the user input based on the media content use patterns.

33. A Computer-readable medium comprising computer-executable instructions for:

detecting user access of a media content source;

responsive to detecting the user access:

collecting a piece of media content and associated text from the media content source;

extracting semantic text features from the associated text and the piece of media content; and

indexing the semantic text features into a media database.

34. A computer-readable medium as recited in claim 33, further comprising computer-executable instructions for indexing the piece of media content in the media database or separate from the media database.

35. A computer-readable medium as recited in claim 33, wherein the media content source is an e-mail message, wherein the media content is an attached to the e-mail message or a link to the media content, and wherein the associated text is a body of the e-mail message.

36. A computer-readable medium as recited in claim 33, wherein the media content source comprises a word processing document, wherein the media content is inserted media content, and wherein the associated text is document text.

37. A computer-readable medium as recited in claim 33, wherein the media content source comprises a Web page.

38. A computer-readable medium as recited in claim 33, wherein at least a portion of the semantic text features in the media database include an indication of relevancy with respect to individual ones of the media content, and wherein the computer-executable instructions further comprise instructions for:

monitoring user actions;

identifying patterns of media content use from the user actions; and

for each semantic text feature in the at least a portion, modifying its indication of relevancy to individual ones of the media content based on the patterns of media content use.

39. A computer-readable medium as recited in claim 33, further comprising instructions for:

detecting an action by a user comprising insertion of text;

performing an analysis of the text to determine that the user desires to access media content;

responsive to performing the analysis:

generating search criteria based on linguistic features of the text;

identifying, based at least in part on the search criteria, one or more media files that are semantically related to the text from the media database; and

presenting information corresponding to the one or more media files to the user.

40. A computer-readable medium as recited in claim 39, wherein the linguistic features are lexical, syntactical, and/or partial sentence pattern features.

41. A computer-readable medium as recited in claim 39, wherein the analysis is based at least in part on patterns of previous media content use, the patterns corresponding to the user.

42. A computer-readable medium comprising computer-executable instructions for:

monitoring a plurality of user actions;

determining media content use preferences based on the user actions;

collecting media content and associated text from a media content source;

extracting semantic text features from the media content and the associated text;

determining that the media content is of interest to the user based at least in part on semantic similarity between the media content use preferences and the semantic text features; and

responsive to determining that the media content is of interest to the user, indexing the semantic text features into a media database.

43. A computer-readable medium as recited in claim 42, wherein the media content use preferences are further based on keywords extracted from information corresponding to the user actions.

44. A computer-readable medium as recited in claim 42, wherein the media content use preferences comprise a plurality of user preference models, each user preference model comprising semantically similar keywords that correspond to the user actions, and wherein media content is determined to be of interest to the user if there is semantic similarity between the media content and at least one of the user preference models.

45. A computer-readable medium as recited in claim 42, further comprising computer-executable instructions for:

detecting that the computer system is in an idle state; and

wherein the instructions for collecting, extracting and determining are performed responsive to detecting the idle state.

46. A computing device comprising:

a processor:

a memory coupled to the processor, the memory comprising computer-executable instructions, the processor being configured to fetch and execute the computer-executable instructions for:

detecting user input;

analyzing the user input;

predicting desired access to one or more media files based on the analysis;

retrieving information corresponding to one or more media files from a media content source; and

presenting the information as a suggestion.

47. A computing device as recited in claim 46, wherein the user input comprises insertion of text into a document such as an e-mail message or word processing document.

48. A computing device as recited in claim 46, wherein the information further comprises suggested media content items, and wherein the computer-executable instructions further comprise:

detecting user interest in an item of the suggested media items; and

responsive to detecting the user interest, displaying a high-level feature corresponding to the item, the high-level feature being stored in a database.

49. A computing device as recited in claim 46, wherein the instructions for analyzing the user input further comprise instructions for determining one or more keywords from the user input, and wherein the one or more media files correspond to the one or more keywords.

50. A computing device as recited in claim 46, wherein the instructions for analyzing the user input further comprise evaluating the user input based on lexical features.

51. A computing device as recited in claim 46, wherein the instructions for analyzing the user input further comprise evaluating the user input based on syntactical features.

52. A computing device as recited in claim 46, wherein the instructions for analyzing the user input further comprise evaluating the user input based on at least a partially instantiated sentence pattern.

53. A computing device as recited in claim 46, wherein the computer-executable instructions further comprise instruction for identifying media content use patterns, and wherein analyzing the user input further comprises evaluating the user input based on the media content use patterns.

54. A computing device comprising:

processing means for:

detecting user input;

analyzing the user input;

predicting desired access to one or more media files based on the analysis;

retrieving information corresponding to one or more media files from a media content source; and

presenting the information as a suggestion.

55. A computing device comprising:

a processor:

a memory coupled to the processor, the memory comprising computer-executable instructions, the processor being configured to fetch and execute the computer-executable instructions for:

detecting user access of a media content source;

responsive to detecting the user access:

collecting a piece of media content and associated text from the media content source;

extracting semantic text features from the associated text and the piece of media content; and

indexing the semantic text features into a media database.

56. A computing device as recited in claim 55, further comprising computer-executable instructions for indexing the piece of media content in the media database or separate from the media database.

57. A computing device as recited in claim 55, wherein the media content source is an e-mail message, wherein the media content is an attached to the e-mail message or a link to the media content, and wherein the associated text is a body of the e-mail message.

58. A computing device as recited in claim 55, wherein the media content source comprises a word processing document, wherein the media content is inserted media content, and wherein the associated text is document text.

59. A computing device as recited in claim 55, wherein the media content source comprises a Web page.

60. A computing device as recited in claim 55, wherein at least a portion of the semantic text features in the media database include an indication of relevancy with respect to individual ones of the media content, and wherein the computer-executable instructions further comprise instructions for:

monitoring user actions;

identifying patterns of media content use from the user actions; and

for each semantic text feature in the at least a portion, modifying its indication of relevancy to individual ones of the media content based on the patterns of media content use.

61. A computing device as recited in claim 55, further comprising instructions for:

detecting an action by a user comprising insertion of text;

performing an analysis of the text to determine that the user desires to access media content;

responsive to performing the analysis:

generating search criteria based on linguistic features of the text;

identifying, based at least in part on the search criteria, one or more media files that are semantically related to the text from the media database; and

presenting information corresponding to the one or more media files to the user.

62. A computing device as recited in claim 61, wherein the linguistic features are lexical, syntactical, and/or partial sentence pattern features.

63. A computing device as recited in claim 61, wherein the analysis is based at least in part on patterns of previous media content use, the patterns corresponding to the user.

64. A computing device comprising:

processing means for:

detecting user access of a media content source;

responsive to detecting the user access:

collecting a piece of media content and associated text from the media content source;

extracting semantic text features from the associated text and the piece of media content; and

indexing the semantic text features into a media database.

65. A computing device comprising:

a processor:

a memory coupled to the processor, the memory comprising computer-executable instructions, the processor being configured to fetch and execute the computer-executable instructions for:

monitoring a plurality of user actions;

determining media content use preferences based on the user actions;

collecting media content and associated text from a media content source;

extracting semantic text features from the media content and the associated text;

determining that the media content is of interest to the user based at least in part on semantic similarity between the media content use preferences and the semantic text features; and

responsive to determining that the media content is of interest to the user, indexing the semantic text features with the media content into a media database.

66. A computing device as recited in claim 65, wherein the media database is a personalized media database.

67. A computing device as recited in claim 65, wherein the media content use preferences are further based on keywords extracted from information corresponding to the user actions.

68. A computing device as recited in claim 65, wherein the media content use preferences comprise a plurality of user preference models, each user preference model comprising semantically similar keywords that correspond to the user actions, and wherein media content is determined to be of interest to the user if there is semantic similarity between the media content and at least one of the user preference models.

69. A computing device as recited in claim 65, further comprising computer-executable instructions for:

detecting that the processor is in an idle state; and

wherein the instructions for collecting, extracting and determining are performed responsive to detecting the idle state.

70. A computing device comprising:

processing means for:

monitoring a plurality of user actions;

determining media content use preferences based on the user actions;

collecting media content and associated text from a media content source;

extracting semantic text features from the media content and the associated text;

determining that the media content is of interest to the user based at least in part on semantic similarity between the media content use preferences and the semantic text features; and

responsive to determining that the media content is of interest to the user, indexing the semantic text features into a media database.

71. A computing device as recited in claim 70, further comprising processing means for:

detecting that the processor is in an idle state; and

wherein the means for collecting, extracting and determining are performed responsive to detecting the idle state.

72. A method comprising:

determining that a user wants to save or download a media object from a media source;

extracting semantic information from the media source; and

suggesting a filename to the user for the media object based on the semantic information.

73. A method as recited in claim 72, wherein the media source comprises a Web page.

74. A method as recited in claim 72, wherein the media source comprises an e-mail message.

75. A method as recited in claim 72, wherein the filename is selectable and editable.

76. A method as recited in claim 72, wherein the semantic information is based on any combination of one or more of a filename, text, a title, a keyword, or a hyperlink extracted from the media content or the media source.

77. A device comprising:

processing means for:

determining that a user wants to save or download a media object from a media source;

extracting semantic information from the media source; and

suggesting a filename to the user for the media object based on the semantic information.

78. A device as recited in claim 77, wherein the media source comprises a Web page.

79. A device as recited in claim 77, wherein the media source comprises an e-mail message.

80. A device as recited in claim 77, wherein the filename is selectable and editable.

81. A device as recited in claim 77, wherein the semantic information is based on any combination of one or more of a filename, text, a title, a keyword, or a hyperlink extracted from the media content or the media source.

82. A computer-readable medium comprising computer-executable instructions for:

determining that a user wants to save or download a media object from a media source;

extracting semantic information from the media source; and

suggesting a filename to the user for the media object based on the semantic information.

83. A computer-readable medium as recited in claim 82, wherein the media source comprises a Web page.

84. A computer-readable medium as recited in claim 82, wherein the media source comprises an e-mail message.

85. A computer-readable medium as recited in claim 82, wherein the filename is selectable and/or editable.

86. A computer-readable medium as recited in claim 82, wherein the semantic information is based on any combination of one or more of a filename, text, a title, a keyword, or a hyperlink extracted from the media content or the media source.